

CENTRAL INTELLIGENCE AGENCY

INFORMATION REPORT

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SECURITY INFORMATION

25X1A

COUNTRY	East Germany	REPORT NO.	<div style="border: 1px solid black; width: 80px; height: 25px;"></div>
SUBJECT	Radio Communication Equipment	DATE DISTR.	14 August 1953
25X1	RVG-903b Produced by Sachsenwerk Radeberg	NO. OF PAGES	2

Following is a list of technical specifications of the RVG-903b type beam radio communication manufactured by Sachsenwerk (Funkwerk) Radeberg:

1. Transmitter:

Frequency range: 1200-1470 mcs, in 10 channels of 30 mcs intervals.
Wave lengths - 20.4 - 25 cm.

Circuit : Decimeter oscillator in grid base connection and frequency modulation 30 mcs.
Oscillator mixed in mixer amplifier, 2 HF amplifier stages also in grid base connection.

Capacity : Final stage greater than 9 watts.

Air cooling : Blower.

Modulation type: FM

Frequency deviation: Plus or minus 400 kcs.

Low frequency transmission range of modulation amplifier: 0.3 - 150 kcs.

2. Receiver:

Frequency range: 1200-1470 mcs, in 10 channels with intervals of 30 mcs.
Wave lengths - 20.4 - 25 cm.

Sensitivity : Less than 70 KT.

Circuit : Superheterodyne receiver, oscillator in grid base connection, mixer circuit for direct and push-pull mixing.

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(Note: Washington Distribution Indicated By "X", Field Distribution By "#")

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Intermediate frequency band width: 1.4 mcs.

Intermediate frequency: 10.7 mcs.

Volume control: Delayed about 1:100.

Level frequency: 140 kcs.

Addition of mechanical camber-and-pivot inclination (Nachlauf) in frequency shifting: Greater than plus or minus 35 kcs.

Transmission range: 0.3 to 150 kcs.

Nonlinear harmonic-distortion factor: Between 2 stations: less than 2%.

Acceptance condition: 102%

3. Transformer - In/Output: not grounded:

Matching impedance: 600 or 150 ohm.

Input level: -1 db to plus 3 db..

Power level: ca 285 mv to 15.6 v, 600 ohms; ca 143 mv - 7.8 v, 150 ohms

Output level: 0.25 db.

Power level: ca 1 v at 600 ohms; 0.5 v at 150 ohms.

Transformer frequency range: 6-120 kcs.

4. Service Channel:

Frequency range: 0.33 - 2.4 kcs.

Calling frequency: 1.667 kcs.

- 25X1 1. Comment: Information on the establishing of a decimetric wave
25X1 communication with RVG-903b type beam radio communication equipment
was reported previously.

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